

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
23 December 2004 (23.12.2004)

PCT

(10) International Publication Number  
WO 2004/110443 A1

(51) International Patent Classification<sup>7</sup>: A61K 31/4439,  
31/192, 31/216, 31/165, A61P 25/28

(21) International Application Number:  
PCT/GB2004/002381

(22) International Filing Date: 4 June 2004 (04.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0313772.6 13 June 2003 (13.06.2003) GB

(71) Applicant (for all designated States except US): MERCK  
SHARP & DOHME LIMITED [GB/GB]; Hertford Road,  
Hoddesdon, Hertfordshire EN11 9BU (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): CASTRO PINEIRO,  
Jose, Luis [ES/GB]; Terlings Park, Eastwick Road, Har-  
low, Essex CM20 2QR (GB).

(74) Agents: BUCHAN, Gavin, MacNicol et al.; Terlings  
Park, Eastwick Road, Harlow, Essex CM20 2QR (GB).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

WO 2004/110443 A1

(54) Title: TREATMENT FOR ALZHEIMER'S DISEASE AND RELATED CONDITIONS

(57) Abstract: There is disclosed the combination of a growth hormone secretagogue and at least one agent which modifies the production or processing of A $\beta$  in the brain, said at least one agent being selected from: (a) compounds which inhibit the secretion of A $\beta$ ; (b) compounds which selectively inhibit the secretion of the 1-42 isoform of A $\beta$ ; (c) compounds which inhibit the aggregation of A $\beta$ ; and (d) antibodies which selectively bind to A $\beta$ ; for use in treatment or prevention of a disease associated with deposition of A $\beta$  in the brain.